

What is claimed is:

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1. A method for managing multiple communications between a control point and a plurality of network elements in a telecommunications network, comprising:
    - receiving at a Service Interaction media (SIM) device call information associated with a call at one of said network elements;
    - deriving at the SIM device a service code based on the call information;
    - formulating a service session with the one network element based on the service code, and
    - controlling operation of the one network element in response to the service session to generate an integrated reply to the control point.
  2. The method of claim 1 wherein said deriving includes providing interworking between two different network protocols in plural network elements.
  3. The method of claim 2 wherein said receiving comprises receiving the call information through an out-of-band signaling interface.
  4. The method of claim 2 wherein the two different network protocols are selected from the group consisting of Signaling System 7 (SS7), Integrated Services Digital Network User Port (ISUP), Basic Rate Interface (BRI), Primary Rate Interface (PRI), Simple Internet Protocol – TCAP/Telecom (SIP-T) and Bearer Independent Call Control (BICC).
  5. The method of claim 1 wherein the call information comprises one of trunk type, Automatic Number Identification (ANI) or dialed number.

A1

Admitted  
Prior Art

Prior Art

Obvious

6. The method of claim 1 wherein said receiving call information is performed by a service switching point (SSP) via an interface.
7. The method of claim 6 wherein the interface is a defined Application Programming Interface (API).
8. The method of claim 1 wherein said formulating includes formulating the service session with plural network elements, and accessing the network elements in parallel.
9. The method of claim 1 wherein the service code comprises a service interaction scenario.
10. The method of claim 9 wherein said deriving the service code includes classifying the call information.
11. The method of claim 10 wherein the service code is based on features of the call information selected from the group consisting of screening, routing, translations, authorization, recording, user-network interaction and internet services.
12. The method of claim 1 wherein the one network element comprises one of a Service Control Point (SCP), service node, intelligent peripheral, database, recording system or billing system.